

Unit Operations



Program Manager: Col Paul Ortiz

Project Team Leader: Mr. Kevin Holt

**POM-06 Command Element
Advocacy Board (CEAB)**

Requirements Officer: Major Faust
faustad@mccdc.usmc.mil

Advocate Rep: Lt Col Wheeler

Outline

Topics For Discussion

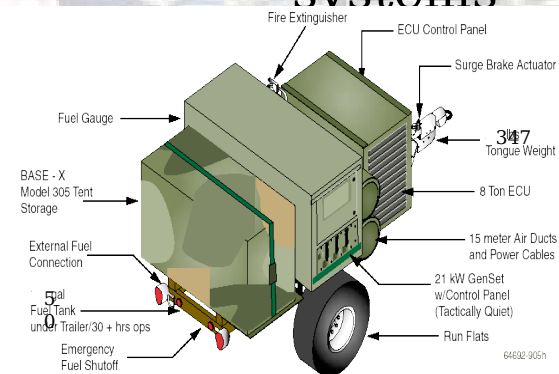
- Requirements: AAO, ORD Updates, Fielding Plan
- Training Approach
- Technical Challenges
- Funding Challenges



Requirements

What is the UOC System

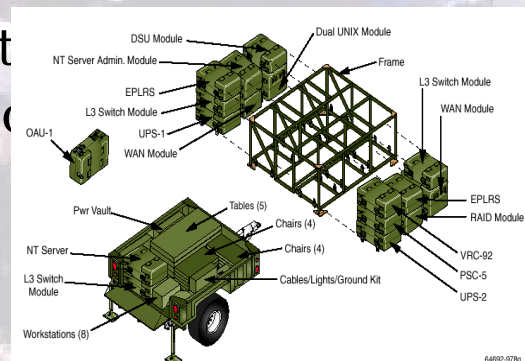
- The UOC is a **modular, scalable, and mobile** C2 system built to facilitate faster decision making by Marines:
 - **Prime mover** - system shall provide prime mover mobility
 - **Power generation** - shall provide UOC power generation and operation
 - **Interoperability** - satisfy integration requirements
- The UOC will provide:
 - **Commonality and standardization** among Marine systems



on w
flex



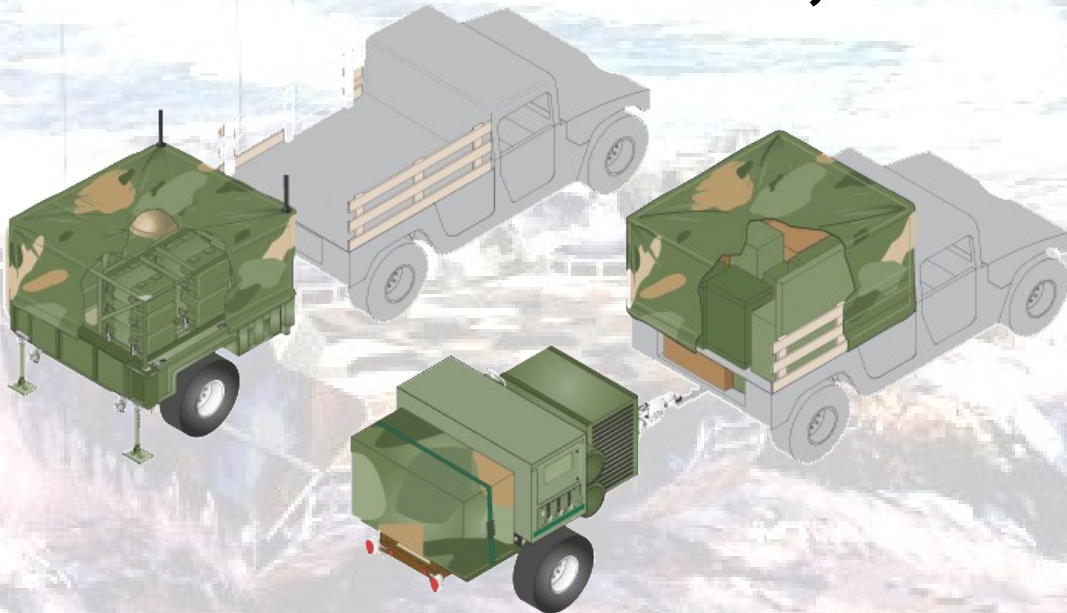
oalit
mple



Requirements Building Block Approach

CapSets Development

- **Provide mobile C2 at different Bn, Rgt & higher**
- **Built using common, modular, scalable building blocks**
- **Commander Intent; Variety of Configurations**



Requirements Status

- Current AAO 426, MROC decision pending - AAO of 355.
- ORD review completed in June, testing to ORD Ch4.
- IOC in FY04 4th Qtr, 15 systems/pending a decision for 10 systems

Document	Date	Status
MNS	5 May 96	Completed
SSS	12 Feb 03	UOC SSS V3
ORD (COC)	11 Aug 97	
ORD (Ch1)	29 Oct 97	
ORD (Ch2)	3 Jan 01	
ORD (Ch3)	15 Jun 01	

I MEF	99
II MEF	97
III MEF	66
SMCR	77
Supt Est	16
DMFA	0
WRMR	0
NALMEB	0
Other	0
Total *	355

Requirements

Fielding Plan Challenges

- **Fielding Plan** still in draft form, MROC/MCCDC approval imminent, will impact cost and schedule if delayed or changed.
- **Fielding Strategy** - geographic location by GCE
 - GCE: II MEF, I MEF, III MEF, MarForRes

- Within the MEFs, Inf Bn, Inf Bn, Artillery Bn, and Bns, LAR

	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
CAP IV	7	10	18	21	71	44	42	29
CAP III	5	4	2	2	13	40	15	13
CAP II						2	8	1
CAP I								3
Totals:	12	14	20	23	84	86	65	46

UOC Training Approach

- UOC Training includes:

- Formal Schools
- MISTC/RTC for TDS training
- New Equipment Training
- Computer Based Training CD
- Job aids: plastic card “how to” diagrams & text
- Managed-On-the-Job-Training
- Interactive Electronic Technical Manual

Projected Trng AAO

<u>CS-III</u>	<u>CS-IV</u>
MCU 1	MCU 2
MSTP 1	MCCES 2
EWTG 2	MISTC 5

- Input from 6th & 7th Marines has been

V *“The UOC team is to be commended on the training package that they put together. Faced with significant constriction in time and the daunting task of trying to introduce new equipment / technology across an audience with various levels of experience and diverse operational backgrounds, they managed to put together a good package in short order.”*



Technical Challenges



- Tactical Data Systems are continually updated
- Unplanned upgrade of hardware to accommodate GCCS 4.x
- Support spiral development through ORD updates
- Contractor support activities



Funding Challenges

- PMC shortfalls in FY04 - \$10M (from Life Cycle Cost Estimate (LCCE))
- PMC trade-off in FY08 (\$10M delta) and FY09 (\$9M plus)
- Hardware procurement/refresh reconciliation in progress
- RDT&E funding does not fully support planned all upgrades/programmatic unknowns

Appropriation (\$M)	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
R&D	11.1	8.6	9.2	14.3	15.8	23.0	10.8	6.3
PMC		22.5	29.2	36.1	41.3	124.7	151.9	147.5
O&M		1.3	2.3	4.5	3.9	9.7	9.2	19.2
Totals	11.1	32.4	40.7	54.9	61.0	157.4	171.9	173.0

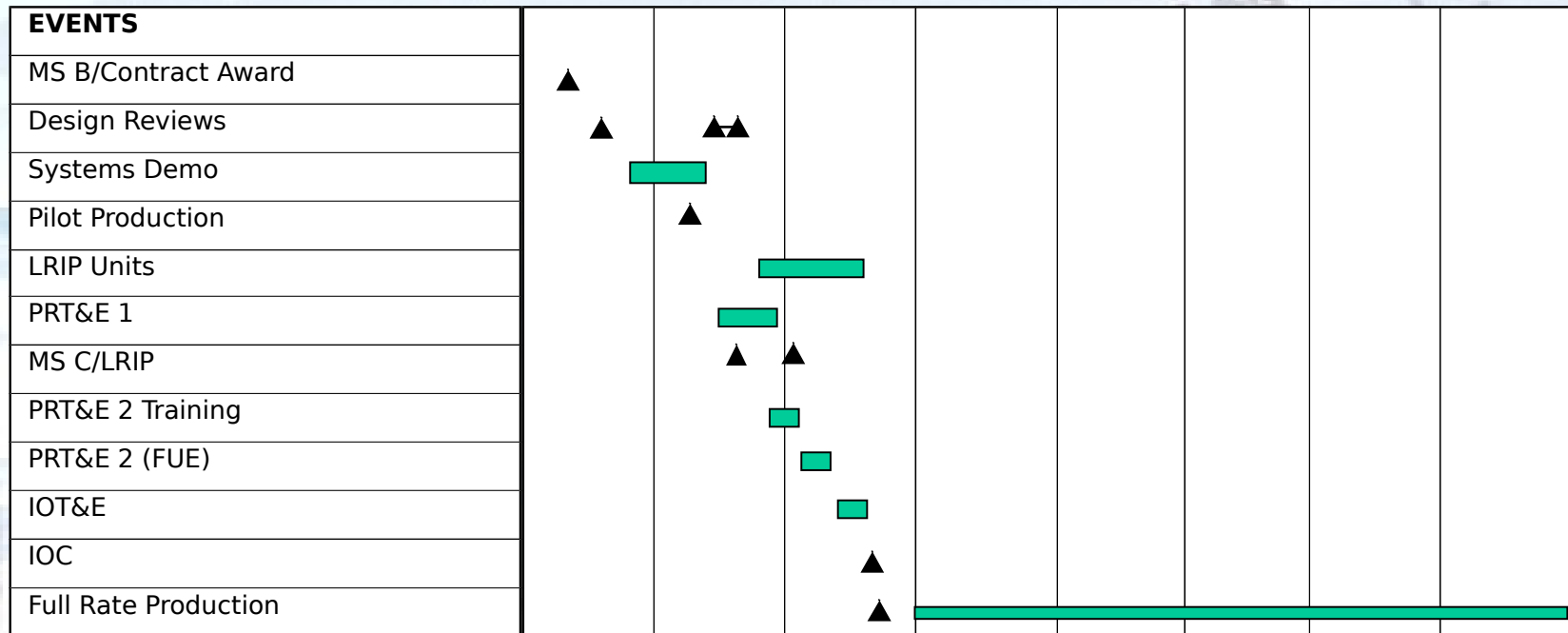
Back Up Slides

UOC Fielding FY03-FY05 - DRAFT

T/E		CAP SET III Units	CAP SET IV Units	
FY03				
N1121	GCE INF Rgt Hqtrs, 2nd MARDIV	4		6th Marines
N1172	GCE INF Bn, 2nd MARDIV		4	
N2209	GCE Arty Bn, 2nd MARDIV		2	
7720-1	SE MCCES		1	
7441-1	SE MCSC	1		
		5	7	
FY04				
N1121	GCE INF Bn Hqtrs, 2nd MARDIV	2		
N1172	GCE Arty Bn, 2nd MARDIV		10	
N1021	GCE, CE 2nd MARDIV	1		
7403	SE TECOM	1		
		4	10	Total Units FY04
FY05				
N1021	GCE, CE 2nd MARDIV	1		
N2201	GCE Atry Regt, 2nd MARDIV	1		
N2209	GCE Arty Bn, 2nd MARDIV		6	
N1761	GCE, LAV 2nd LAR Bn, 2nd MARDIV		2	
N1621	GCE AAV, 2nd AAV Bn, 2nd MARDIV		1	
N1321	GCE ENGR 2nd Combat Engr Bn, 2nd MARDIV		2	
N1421	GCE Inf, 2nd RECON Bn, 2nd MARDIV		2	
N1541	GCE TANK, 2nd Tank Bn, 2nd MARDIV		2	
7720-1	SE MCCES		1	
7441-1	SE MCSC		1	
		2	18	Total Units FY05

UOC Macro Schedule

FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09



Appropriation (\$M)	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
R&D	11.1	8.6	9.2	14.3	15.8	23.0	10.8	6.3
PMC		22.5	29.2	36.1	41.3	124.7	151.9	147.5
O&M		1.3	2.3	4.5	3.9	9.7	9.2	19.2
Totals	11.1	32.4	40.7	54.9	61.0	157.4	171.9	173.0

UOC APPROACH

Planned Spiral Approach

EFFORT	FY04	FY05	FY06	FY07	FY08
Wireless LAN		◆			
Wireless LAN to Ant Hill			◆		
TDS S/W Config Mngmt	◆				
Wireless Headsets	◆				
Advanced Visualization			◆	◆	
TDS Interoperability Arch		◆			
Advanced Training and Sim		◆			
VoIP OTM to CS II			◆		
Log Training, Msn Plan, & Reheas			◆		
05-08 Demos			◆	◆	◆
Ops Trailer Optimization				◆	
CapSet II Analysis	◆				
CapSet II Demo/EDM			◆		
CS II Deployment				◆	
CS I Analysis			◆		
CS I Demo/EDM				◆	
CS I Deploy					◆
DMR & JTRS Insertion				◆	
GCCS 4x	◆				
GCCS 4x Msn Planning			◆		
GiG Enterprise Services		◆	◆		
Joint Command & Control				◆	◆